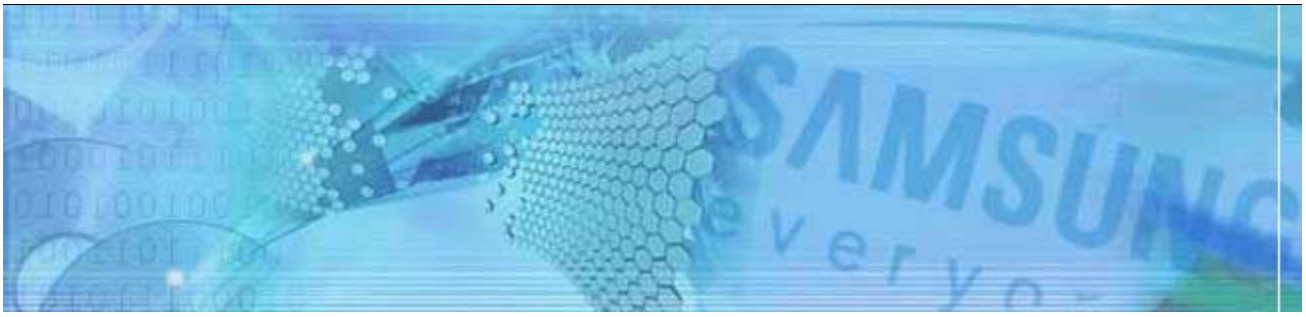
Index | Safety Precautions | Exterior | Installing | Device Driver | How to Use | Utilities | Storing/Cleaning | Troubl



Samsung's OMS (Optical Media Solution) Customer Support Website (http://www.samsung-ODD.com) offers the latest versions of firmware for ODD products, user instructions and product information.

Select Model
SH-D163C(TS-H353C)

The Statement

http://www.s

http://www.s

Select Model SH-D163C(TS-H353C) **Select Languages** English

Main Page

Safety Precautions

- Safety Precautions
- During Installing
- During Operating
- Others
- RoHS & WEEE

Exterior

- Exterior
- System Requirements

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- Installing Drive
- Connecting Cables

Installing Device Driver and Confirming The Installation

- Firmware Update
- Confirming the Installation of Device Driver

How to Use The DVD-ROM

- How to Use the Drive
- If You Want to Use This Product to Play a Commercial DVD-Video Title
- MAGIC SPEED(Option)

Storing/Cleaning Drive and Disc

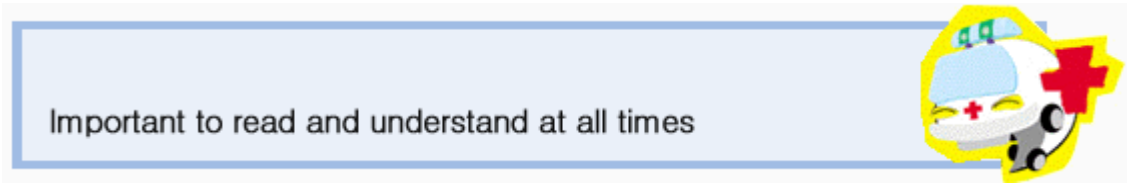
- Cleaning the Drive
- Storing the Disc
- Cleaning the Disc
- When the LED Blinks

Deleting Utilities

Troubleshooting

Product Specifications

Select Model SH-D163C(TS-H353C) **Select Languages** English



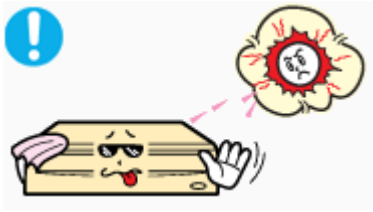
Warning	This symbol indicates explanations about extremely dangerous matters. If users ignore this symbol and handle the device the wrong way, serious injury or death could result.
Caution	This symbol indicates explanations about dangerous matters. If users ignore this symbol and handle the device the wrong way, damage to home or property could result.
	Important to read and understand at all times.
	Do not disassemble.

▪	Always make sure that the disc does not have a crack before use. If the disc has a crack (especially around the center hole), it is recommended to make a copy immediately and use the copy instead. When a cracked disc is used continuously, the size of the crack is likely to grow and this will eventually result in irreparable damage to the disc.

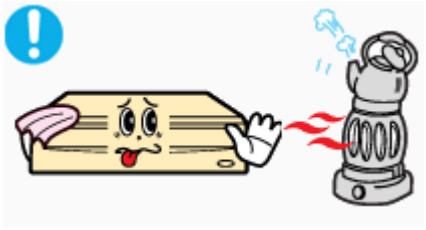
Select Model SH-D163C(TS-H353C) **Select Languages** English

Installing

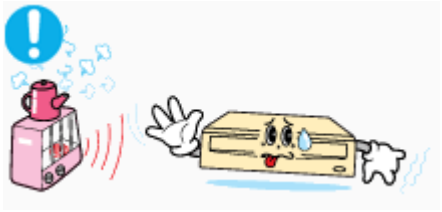
- Do not drop the drive, and protect it from severe shocks.
  - It can damage the drive or cause it to malfunction.



- Do not place the drive in direct sunlight.



- Avoid low-or high-temperature environments.

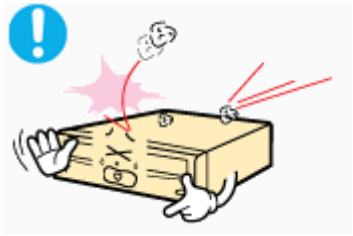


- Avoid high-humidity environments.

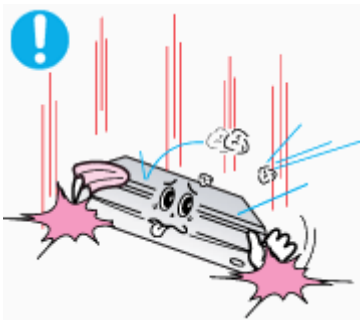
UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

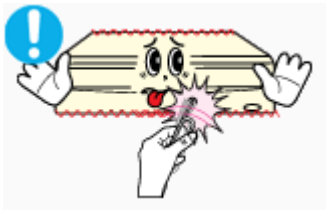
Operating



- Handle with caution to prevent damage from an external shock.



- Do not drop the drive, and protect it from severe shocks.
  - It can damage the drive or cause it to malfunction.



- Do not move the drive while in operation and do not attempt to open the disc tray by force.
  Make sure to close all working programs before attempting to open the tray and always use the open/close button.

Caution Do not insert a pin into the emergency opening while in operation.

Caution Do not insert hands in the tray while in operation.
This may cause damage to the product or human body.

- Do not use cracked, distorted or damaged discs.

Caution In particular, a disc with a crack on the inner tracks may break while in use.

- Always check to be sure the disc is not cracked before use. If you find a crack on the disc (especially around the center hole), make a copy of the disc immediately and use the copy instead. Continued use of a cracked disc will cause the crack to become bigger, resulting in irreparable damage to the disc.

- Do not use low-quality discs (illegal, scratched, damaged, etc.).

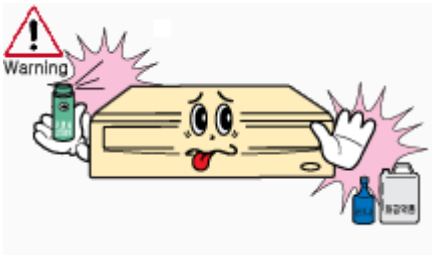
- **Samsung is not responsible for any loss resulting from the use of such discs.**

UP

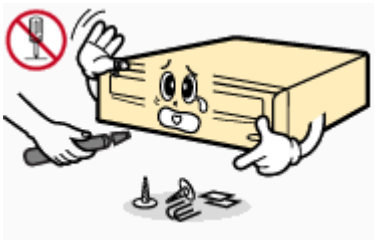
Select Model SH-D163C(TS-H353C) **Select Languages** English

Others

- Never allow food particles or foreign substances to enter the drive casing.



- To protect against the risk of fire, do not spill such liquids as alcohol and benzene on the drive.



- Do not disassemble, attempt to repair or modify the device without an express approval as directed in the manual.
  - To reduce the risk of damage, electric shock and fire.

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

RoHS

Samsung Eco-mark
The Samsung's own Eco mark helps consumers to easily understand that Samsung develops eco-friendly products. This mark represents Samsung's continuous effort to develop eco-friendly products.

RoHS (Restriction of the use of certain hazardous substances in electrical and electronic equipment)The RoHS, the environmental regulation announced by European Union, restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in products put on the market in The European Union after July 1, 2006.

WEEE

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

UP

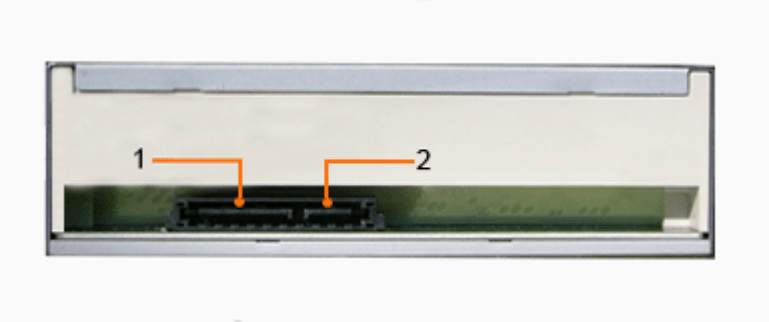
Select Model SH-D163C(TS-H353C) **Select Languages** English

Front

1. Emergency Hole **2.** LED
3. Eject Button **4.** Door Tray

• Design and specifications are subject to change without prior notice.

Back



1. S-ATA Power Port **2.** S-ATA Data Port

Components

- DVD-ROM
- S-ATA Data Cable
- Mounting Screws
- Quick Installation Guide
- Application software & User manual CD
  • In case you need to return the purchased product, be sure to include all the accessories provided with the product to receive a refund.
  • The type of accessories varies depending on a product model.
  and some accessories described herein are subject to change without notice.

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

System Requirements

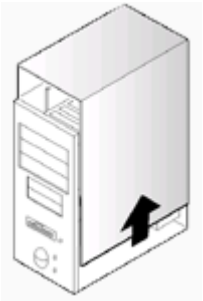
Item	Description
OS	Microsoft Windows 2000/XP/Vista/7
CPU	S-ATA supported PC (The compatible mainboard list can be found from the website) Pentium4 2.0GHz or above
RAM	256MB or more

Select Model: SH-D163C(TS-H353C) Select Languages: English

Installing Drive

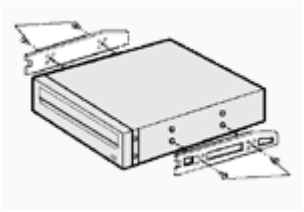
1. Turn the PC off.

2. Open the cover as shown in the picture.



3. If necessary, attach the support devices on both sides of the drive

   - The support devices are PC accessories. Purchase a pair if necessary.
     (SCREW : M3 X 6 X 4)



4. Insert the DVD-ROM after removing the plate as below.

   - Be sure to use the screws (M3x6) provided with the product.

     - Using screws other than M3x6 may cause malfunction.

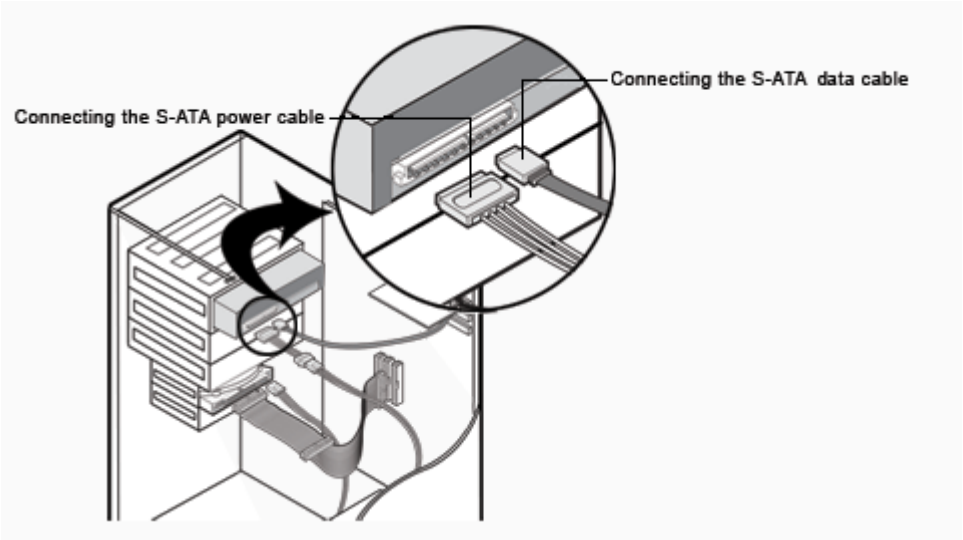
Caution

Be sure that the screws are tightened securely in place.
Loosely tightened screws may result in an increased level of noise.

UP

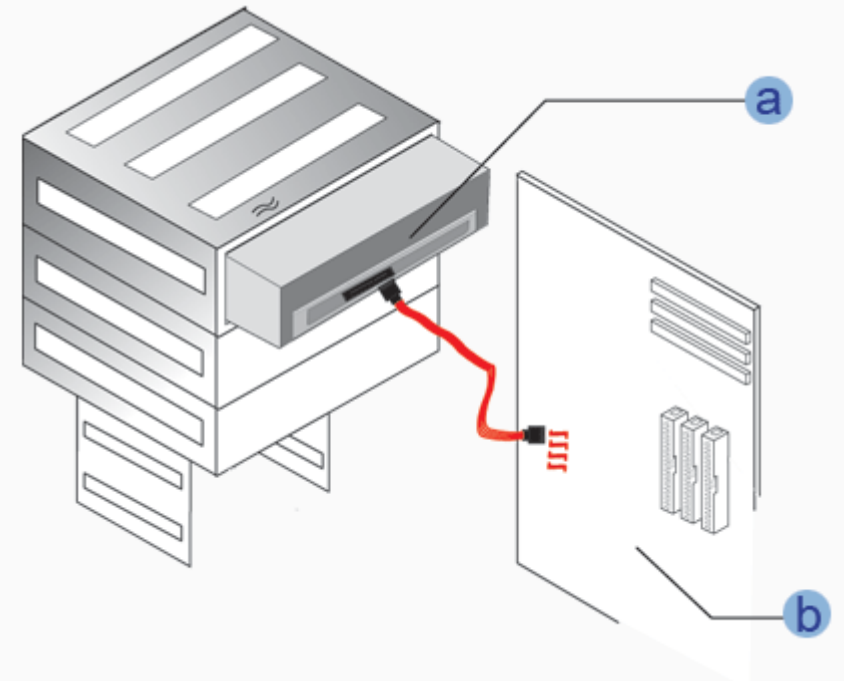
Select Model SH-D163C(TS-H353C) **Select Languages** English

Connecting Cables



Connecting S-ATA Cable

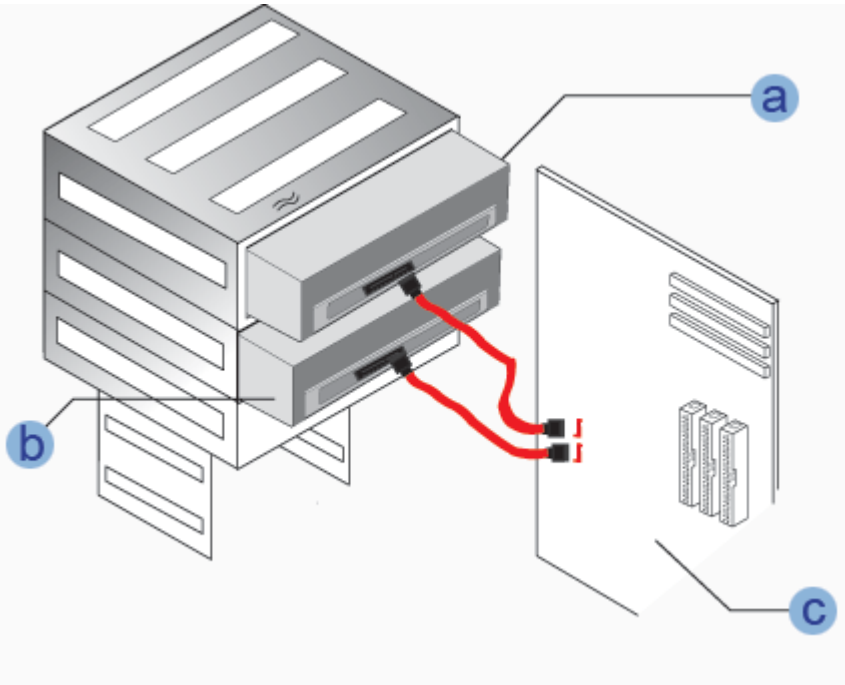
When you use one S-ATA cable



a : Drive
b : Mainboard

UP

When you have one DVD-ROM and the other ODD products.



a : Drive (S-ATA 1)
b : Drive (S-ATA 2)
c : Mainboard

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

Firmware Update

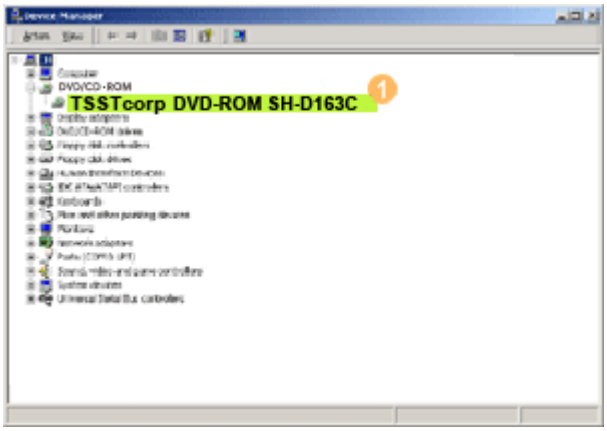
1. Go to www.samsung-ODD.com
2. Click Firmware on the menu bar (in the upper right-hand corner).
3. Click Firmware Downloads. Check for your drive model and start downloading.

Select Model SH-D163C(TS-H353C) **Select Languages** English

Confirming the Installation of Device Driver

Confirming Using [Device Manager]

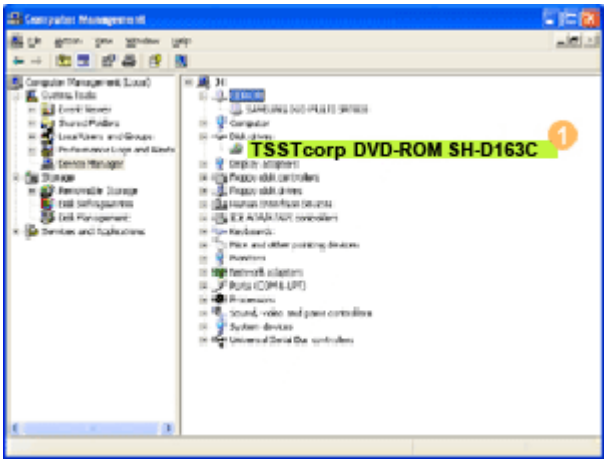
Windows 2000



1. Click [Start] - [Settings] - [Control Panel] - [System]
2. Click on the [Hardware] tab in the System Properties window and then click on the [Device Manager] tab.
3. Click DVD-ROM drive in the Device Manager window.

   1 in the left picture appears if the driver is installed properly.

Windows XP



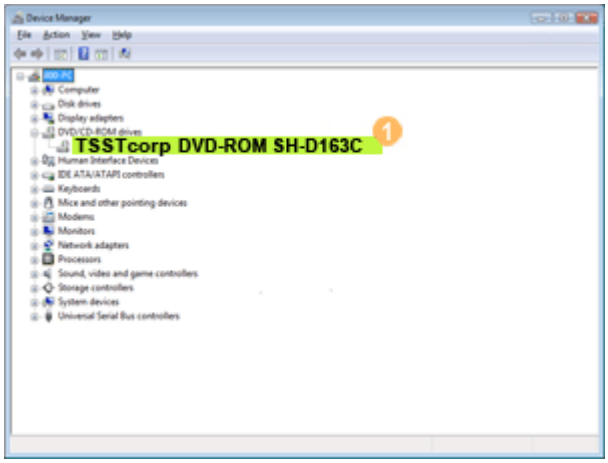
1. Go to [Start] - [Settings] - [Control Panel] - [Performance and Maintenance]
2. Click [Administrative Tools] icon in the Performance and Maintenance window.
3. Click [Computer Management] icon in the Administrative Tools window.
4. Click [Device Manager] icon in the Administrative Tools window and then click DVD-ROM drive.

   1 in the left picture appears if the driver is installed properly.

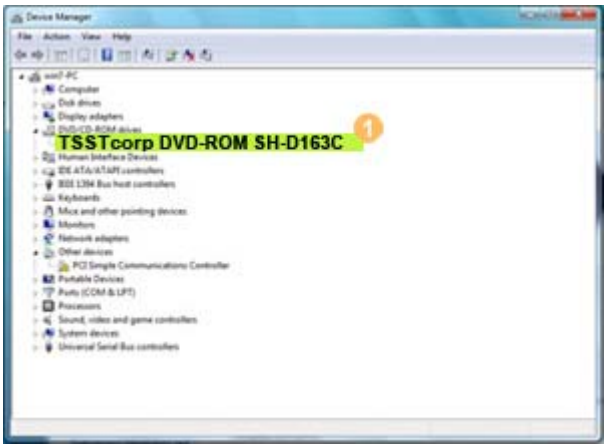
Windows Vista

1. Click [Start] - [Control Panel] - [System] -[Device Manager]
2. Click DVD-ROM drive in the Device Manager window.

   1 in the left picture appears if the driver is installed properly.



Windows 7



1. Click [Start] - [Control Panel] - [System and Security] - [System Device Manger]
2. Click DVD-ROM drive in the Device Manager window.

   ① in the left picture appears if the driver is installed properly.

UP

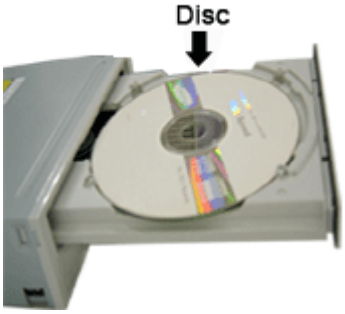
Select Model SH-D163C(TS-H353C) **Select Languages** English

How to Use the Drive

While the LED indicator is blinking green, do not turn the PC off, or disconnect the DVD-ROM. Otherwise it may cause damage to the drive.

How to Use a Horizontally Installed Drive

You can use **3.15 Inch or 4.72 Inch (8cm or 12cm) disc.**
The drive cannot read the disc properly if any part of the disc is placed outside the tray guiding line.



UP

How to Use a Vertically Installed Drive

This drive can be installed vertically.

You can use only the **4.72 Inch (12cm) disc.**
(You cannot use the 3.15 Inch (8cm) disc)
The drive cannot read the disc properly if any part of the disc is placed outside the tray guiding line.

UP

Select Model: SH-D163C(TS-H353C) Select Languages: English

If You Want to Use This Product to Play a Commercial DVD-Video Title

You can use the DVD-ROM to playback Music CD, CD-ROM, CD-R/RW or DVD-ROM disc like a CD-ROM drive or a DVD-ROM drive. If your computer recognizes the [CD-ROM] icon designated to the DVD-ROM as the 'E:' drive, insert a CD-ROM or a DVD-ROM disc and access the 'E:' drive.

(The actual drive letter of the DVD-ROM may vary depending on the user's system environment.)

If you want to use this product to play a commercial DVD-Video title('DVD title')

- Most of DVD titles in the market adopt the Dolby sound system.
  You are required to install software that supports Dolby decoding on your PC before you can play a DVD title using the DVD-ROM purchased.
- How to obtain commercial software supporting Dolby decoding.
  Visit the website of CyberLink : www.cyberlink.com
  (You can use other compliant software if you want to.)

DVD Region Protection Coding (RPC):

The RPC feature is supported on DVD players and is used with DVD-video discs (such as movies). Currently, the motion picture industry has divided the world into different regions or zones that correspond to the regional markets into which the motion picture industry releases movies. Simply put, RPC codes are placed on movies marketed throughout the world, based on the region of the world inwhich they are being sold. These RPC codes help control and prevent pirating of new movies into other motion picture regions prior to their true release dates within those markets.
The DVD-ROM supports RPC phase II. In the RPC-2 mode, the local code can be changed by users. RPC-2 is selected by default for the DVD-ROM.
You can change the region code up to five times via an MPEG application.

Please contact your dealer or local SAMSUNG representative if you wish to change the local code more than five times.

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

What is MAGIC SPEED?

MAGIC SPEED is a program that supports user to select at his or her discretion the reading speed of CD disc between two modes offered by drive: Maximum Speed Mode (Max Mode) and Silent Mode.

Development Background

ODD products launched nowadays are providing a high reading speed.
With the increased reading speed, faster data processing has become possible. However, high rotation speed often causes louder noise, and it is more possible to crash the cracked or bent discs. Against this backdrop, our Company has developed a speed-down algorithm and applied this technology to newly-launched products to provide safer and more comfortable environments for PC users.

※ What is Speed-down Algorithm?
It establishes a safer disc reading speed in operating the device in order to prevent possible disc crashes in using CDs with cracks in starting. In addition, for customers who want to play CDs at its maximum speed, MAGIC SPEED program offers the function of selecting reading speed, so that customers can set the speed as they want.

What are MAGIC SPEED and How to Use?

MAGIC SPEED Mode

- Max Mode: Setting reading speed to its maximum level provided by drive.
- Silent Mode: Setting reading speed to a stable low speed.
- Any mode set by Magic Speed will be reset to "Low noise mode" when the PC restarts, so please check the current mode if you want to use “The maximum speed mode” and change the settings where necessary.

Caution: A disc with crack may be crashed in playing with Max Mode. We recommend you to use such disc in Silent Mode, or make a copy immediately before use.

How to Use MAGIC SPEED

- First, install MAGIC SPEED program registered on our website.
- On MAGIC SPEED tray icon, select right-click to execute the program.
- Select the mode you want to use on Program Execution Window and select “settings”. Then, reading speed of the drive will run in selected mode.
- Select “Close” to exit Program Execution Window.
  In this occasion, reading speed will be run in the set speed if there is no separate mode change or program exit.

※ We recommend you to use "Max Mode" for data copy or disc copy and "Silent Mode" for normal operation.

※ Other functions

▶ To disable Autorun

This is a default program that automatically runs in every PC booting.
If you want to quit this auto run function, deselect the auto run item selected on tray icon menu.

Where Can I Download MAGIC SPEED?

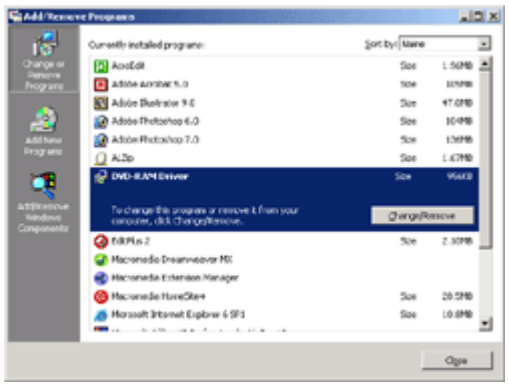
Visit our website for customer support (www.samsung-ODD.com) and select Firmware → MAGIC SPEED.

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

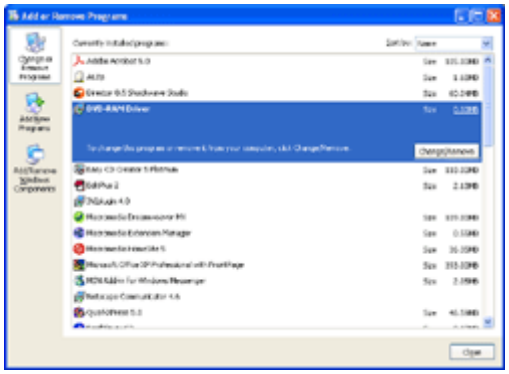
Click [Start] - [Setting] - [Control Panel] - [Add/Remove Programs] and a window as shown below appears.

[Windows 2000]



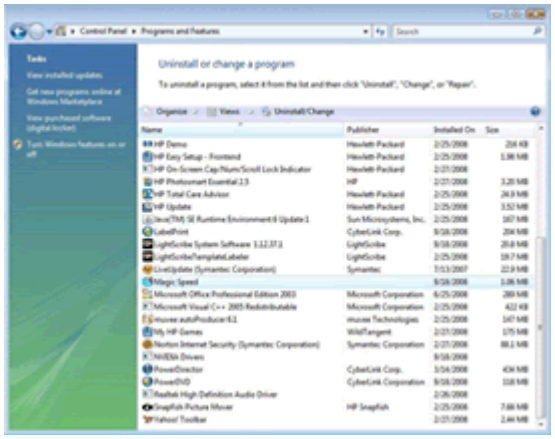
Click the [Add/Remove] button to remove the program.

[Windows XP]



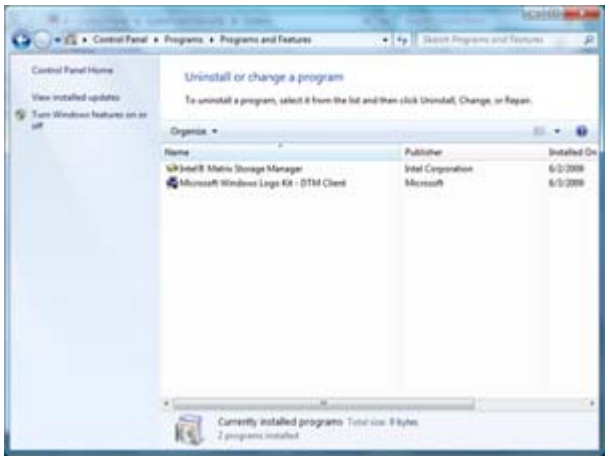
Click the [Add/Remove] button to remove the program.

[Windows Vista]



Click the [Add/Remove] button to remove the program.

[Windows 7]



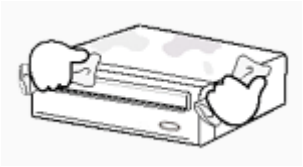
Click the [Add/Remove] button to remove the program.

UP

Select Model SH-D163C(TS-H353C) **Select Languages** English

Cleaning the Drive

- Turn the PC off and pull out the drive.
- Remove any foreign objects from the surface of the drive using soft cloth.



Caution

- Do not use benzene, paint thinner, or any other solvents.
- Cleaning the interior of the unit with such things as a cotton swab may cause a failure or a loss of function.

Select Model SH-D163C(TS-H353C) **Select Languages** English

This part of the manual is to prevent damages or data loss.
Read carefully and use the device properly.

Storing the Disc

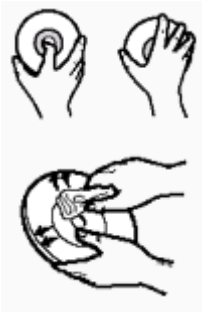
- Do not place it under the direct sunlight.
- Place it so that it sits on its side on a flat surface.
- Do not scratch or place a label on the disc.
- Handle the disc with caution to prevent damage from an external shock.
- Do not expose it to severe temperature-fluctuations.
  (Exposure to such environment may cause congealing.)

Select Model SH-D163C(TS-H353C) Select Languages English

This part of the manual is to prevent damages or data loss.
Read carefully and use the device properly.

Cleaning the Disc

- Do not touch the surface of the disc.
  Place your fingers on the edge of the disc to hold.



- Clean the disc lightly with soft cotton cloth, starting from the center and move to the edge of the disc.

- Use only disc-cleaning liquids. Do not use benzene, paint thinner, or any other solvents.

If the disc surface becomes dirty with fingerprints, foreign substances or dust, the disc may not function properly.

UP

Select Model: SH-D163C(TS-H353C) Select Languages: English

When the LED blinks

LED	Meaning
Disc Lead-In	Green: Blinks every 0.3 seconds.
Reading	Green: Blinks every 0.3 seconds.
Standby	Off
No Disc	Off

The indicator light turns off when the drive is not in use (standby) after disc lead-in.

Select Model: SH-D163C(TS-H353C) Select Languages: English

General Problems

Problem	Meaning / Solution
The tray doesn't open.	See if the PC is on.
	Make sure the power cable within the PC is connected properly.
	If the tray still won't open with the power-on, turn the power-off and insert a pin(paper clip) into the emergency hole to open.
The tray doesn't close.	Make sure the disc has been inserted properly.
The drive is not working properly.	See if the drive is connected properly to the PC.
	See if the device drive program has been installed properly.
The system dosen't read the disc.	See if the system detects the drive.
	Make sure you use the types of discs that are supported by the drive.
	Check if the LED indicator turns green.
	Make sure you inserted the disc with the label facing up.
	Make sure you are using the right program for disc playback.
	See if the disc is clean.
	See if any congealing has occurred.
	Make sure the region code of the drive matches the disc number.

You can confirm the use of software at the site of our customer support.
Address: www.samsung-ODD.com
- See “ SUPPORT > Download Center > User Manual ”

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Select Model SH-D163C(TS-H353C) **Select Languages** English

Category		SH-D163C(TS-H353C)
		DVD-ROM
DISC	Usable Discs	**DVD** :DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-ROM, DVD-Video, DVD+R DL, DVD-R DL, DVD-RAM **CD** : CD-ROM, CD-R, CD-RW, CD-DA, CD+E(G) CD-MIDI, CD-TEXT, CD-ROM XA, Mixed Mode CD CD-I, CD-I Bridge (Photo-CD, Video-CD), Multisession CD (Photo-CD, CD-EXTRA, Portforio)
	Disc Diameter	4.72 Inch or 3.15 Inch (120mm or 80mm)
Interface Support	Interface Port	S-ATA
	Burst Transfer Rate	S-ATA 1.5Gbps
ACCESS TIME (Random)	CD-ROM	130ms
	DVD-ROM	140ms
Data Transfer Speed (Max)	**Media Type**	**Read**
	DVD+R	CAV 16X
	DVD+RW	CAV 8X
	DVD+R DL	CAV 8X
	DVD-R DL	CAV 8X
	DVD-R	CAV 16X
	DVD-RW	CAV 8X
	DVD-ROM	CAV 16X
	DVD-ROM DL	CAV 8X
	DVD-RAM	CAV 5X
	CD-ROM	CAV 48X
	CD-R	CAV 48X
	CD-RW	CAV 40X
Buffer Memory		198KB
Drive Installation		Horizontal / Vertical
Operating Environment	Temperature	41°F ~ 122°F (5°C ~ 50 °C)
	Humidity	20% ~ 80% (RH)
Dimension(Width x Height x Length)		5.83 X 1.65 X 6.69 Inch (148.2 X 42 X 170mm)
Weight		700g

Note

- Cannot playback on both sides of a dual layer disc simultaneously.
- The read capacity of the supported discs depend on the condition of the disc and the recording format of the drive. Therefore, the read quality may not be perfect.
- Please firmly place the product onto the PC before use.
- Specifications are subject to change without notice.

FCC information to the user

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try
to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION
Change or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Laser Standard
IEC 60825-1 : 1993 + A1 : 1997 + A2 : 2001

The product specifications above may be changed to improve device performance without prior notice.

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